

Converting Colors

XYZ(28.0252, 32.7277, 87.5492)

Have a look what the booklet for
XYZ(28.0252, 32.7277, 87.5492)
contains.

XYZ(29.1833, 33.2015, 87.3085)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.1833, 33.2015,
87.3085)**

Conversions

Conversions Part 1

Format	Color
Hex	00A5F0
RGB	0, 165, 240
RGB Percent	0%, 65%, 94%
CMY	0.9997, 0.3529, 0.0588
CMYK	1.00, 0.31, 0.00, 0.06
HSL	199°, 100%, 47%
HSV	199°, 100%, 94%
XYZ	29.1833, 33.2015, 87.3085
YIQ	124.2150, -122.4150, -11.6550

Conversions

Conversions Part 2

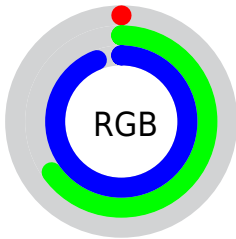
Format	Color
RYB	0, 98, 240
Decimal	42480
CIELab	64.32, -8.91, -47.32
CIELCh	64, 48.149, 259.338
Yxy	33.2015, 0.1950, 0.2218
Android (android.graphics.Color)	4278232560 (0xFF00A5F0)
YUV	124.2150, 57.0820, -108.9366
Hunter-Lab	57.6207, -10.4310, -49.5033

Details

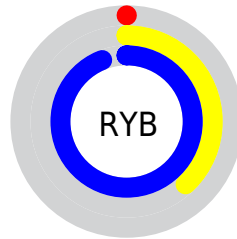
The XYZ color **29.1833, 33.2015, 87.3085** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **38.4565, 23.5668, 2.5239**, and the grayscale version is **19.0818, 20.0755, 21.8622**.

A 20% lighter version of the original color is **49.9499, 61.6576, 103.8762**, and **14.6690, 15.4953, 47.5652** is the 20% darker color. If you saturate the color by 10%, you get **29.1799, 33.1946, 87.3081**, and if you desaturate by 10%, it is **30.9552, 36.1834, 87.7914**.

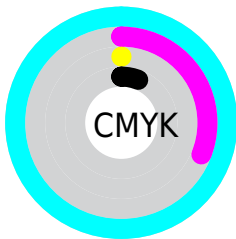
Distribution



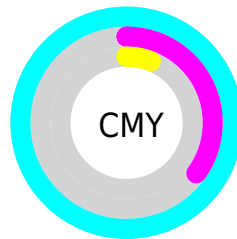
- Red (0%)
- Green (65%)
- Blue (94%)



- Red (0%)
- Yellow (38%)
- Blue (94%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (35%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1833, 33.2015, 87.3085 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.1833, 33.2015, 87.3085 by changing the saturation by 10% instead.

■ 29.1833, 33.2015,
87.3085

■ 29.1833, 33.2015,
87.3085

290.0575,
316.5567, 539.5786

■ 19.3645, 22.2809,
65.1895

■ 57.7637, 64.6900,
145.4967

■ 12.0395, 14.0634,
47.1624

■ 77.2561, 86.0266,
182.4030

■ 6.8430, 8.1648,
32.8088

■ 100.7037,
111.6040, 225.0754

■ 3.4096, 4.2006,
21.7101

■ 128.4718,
141.8066, 273.9325

■ 1.3739, 1.7864,
13.4478

■ 160.9259,
177.0188, 329.3928

■ 0.2375, 0.4787,
7.6033

198.4313,

■ 0.0000, 0.0000,

217.6250, 391.8749

3.7580

241.3534,
264.0095, 461.7973

■ 0.0000, 0.0000,
1.4936

■ 0.0000, 0.0000,
0.2131

■ 29.1833, 33.2015,
87.3085

■ 29.1833, 33.2015,
87.3085

■ 29.1799, 33.1946,
87.3081

■ 30.9552, 36.1834,
87.7914

■ 33.2728, 39.5661,
88.3222

■ 36.2840, 43.4281,
88.9089

■ 40.0766, 47.8163,
89.5560

■ 44.7242, 52.7708,
90.2674

■ 50.2917, 58.3267,
91.0463

■ 56.8372, 64.5156,
91.8959

■ 64.4138, 71.3667,
92.8190

■ 73.0705, 78.9070,
93.8182

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.7321, 33.2015, 72.9600



29.1833, 33.2015, 87.3085



36.1206, 33.2015, 84.6778

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.1833, 33.2015, 87.3085



45.6816, 33.2015, 25.0471



22.5864, 33.2015, 16.7274

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.1833, 33.2015, 87.3085



38.4565, 23.5668, 2.5239

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



27.3950, 33.2015, 10.9676



29.1833, 33.2015, 87.3085



40.9367, 33.2015, 14.4285

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.1833, 33.2015, 87.3085



46.3445, 33.2015, 43.5853



34.0561, 33.2015, 10.3144



20.3062, 33.2015, 29.6138

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.1833, 33.2015, 87.3085



40.6602, 33.2015, 73.8580



34.0561, 33.2015, 10.3144



23.9254, 33.2015, 14.1271

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.1846, 33.2026, 87.3094



65.1254, 73.9450, 105.4481



32.3324, 62.7897, 16.5545



13.2306, 15.1656, 22.4799



0.0000, 0.0000, 0.0000



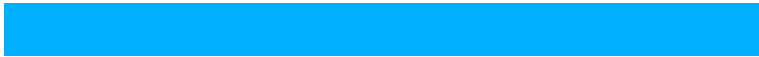
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.1846, 33.2026, 87.3094



33.4367, 37.9934, 100.1789



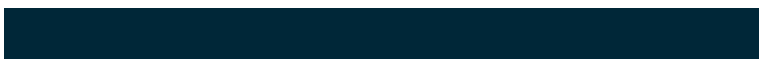
16.7883, 8.4101, 83.1773



15.8063, 17.0468, 20.1789



16.0975, 18.4193, 47.8347



1.4275, 1.7091, 4.0089

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



42.7279, 21.2436, 37.4464



49.0065, 24.3666, 42.8278



54.7886, 56.2311, 7.9679



16.2317, 15.9424, 18.7763



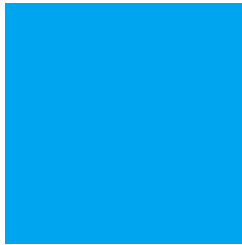
23.4509, 11.6528, 20.8229



1.9955, 0.9872, 1.9672

Previews

White Background



This preview shows how the XYZ color 29.1833, 33.2015, 87.3085 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.1833, 33.2015, 87.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

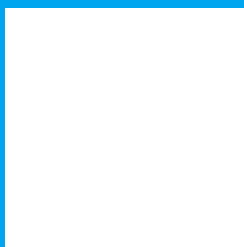
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1833, 33.2015, 87.3085

Background



This preview shows how black text looks on a background with the XYZ color 29.1833, 33.2015, 87.3085.



This preview shows how white text looks on a background with the XYZ color 29.1833, 33.2015,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.1833, 33.2015, 87.3085

Protanopia

34.4244, 32.7807, 78.6417

Deuteranopia

33.9327, 33.0416, 88.5936



Tritanopia

23.5095, 33.0078, 51.0310

Trichromacy



Original Color

29.1833, 33.2015, 87.3085

Protanomaly

30.2446, 31.7910, 81.6330

Deuteranomaly

30.7296, 32.4124, 87.8557

Tritanomaly

25.2074, 32.7837, 62.7569

Monochromacy



Original Color

29.1833, 33.2015, 87.3085

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.3400, 22.8807, 39.4735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1833, 33.2015, 87.3085 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 165, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 165, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 240) }
```

Border

The CSS property to change the border of an element to XYZ 29.1833, 33.2015, 87.3085 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 165, 240) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 165, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 165, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1833, 33.2015, 87.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 165,  
240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor